

MAGNUSSON
Serial No. 09/995,861

Atty Dkt: 2380-511
Art Unit: 2667

AMENDMENTS TO THE SPECIFICATION:

Please amend paragraph [00084] beginning at page 12, line 3, and continuing to page 12, line 14, as follows:

As previously described, the plural Orthogonal Variable Spreading Factor (OVSF) codes are defined by a binary code tree structure having a root, each node of the tree corresponding to one code and having a spreading factor defined by its level (k) in the tree structure. When a code of level $k = i$ is requested for the connection, the code allocation unit 100 of the present invention selects, as an allocated OVSF code, a free code of the i^{th} level whose subtree structure from the root of the code tree has a largest combined weight. The combined weight is a sum of weights for all codes that are allocated in the subtree. In certain modes of the invention, the weights can be values related, e.g., to duration of allocation. As one aspect of the invention, when all codes are afforded a same weight (e.g., weight = 1), the code allocation unit selects, to be an allocated OVSF code, a free code of the i^{th} level whose subtree structure from the root of the code tree has a greatest number of users. [[.]]

Please amend paragraph [000102] beginning at page 17, line 7, and continuing to page 17, line 14, as follows:

As shown in Fig. 24, the downlink channelization code transmitted from code allocation unit 100 to user equipment unit 30 in message 120 is applied to downlink channelization code control function 140 of user equipment unit 30. In particular, the downlink channelization code transmitted from code allocation unit 100 are received at network communication control unit 150 of user equipment unit (UE) 30 via radio TX/RX unit 160. The network communication control unit 150 then sends the allocated OVSF code to the TX/RX unit 160 to be used by the radio TX/RX unit 160 for despread chip data to physical channel data.

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